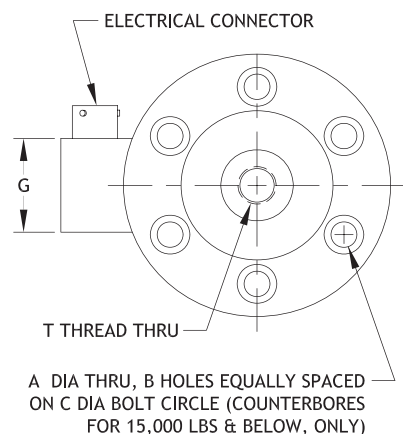


## Universal Pancake Load Cell mV/V

Model XLP58

Force



WIRING CODE/Connector:  
 PIN A & B +Input  
 PIN C & D -Input  
 PIN E -Output  
 PIN F +Output



max.  
500,000  
lbs

**Measuring ranges**

- 0-5 to 0-500,000 lbs

**Features**

- High Accuracy
- Tension/Compression
- mV/V Output
- Extremely Rugged Design
- Welded Stainless Construction
- Wide Range of Capacities

**Options**

- Dual Bridge
- Integral Cable
- Extended Compensated Temperature Range

**Drawing**

- 99-2590-0000 (5 to 5,000 lbs)
- 99-2593-0000 (7500 to 500,000 lbs)

All dimensions are in inches, unless otherwise noted. Also available in metric units.

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)	
EXCITATION	10 VDC, 15 VDC max
OUTPUT	
25 lbs & below	2 mV/V $\pm$ 0.25% FSO
50 lbs & above	3 mV/V $\pm$ 0.25% FSO
BRIDGE RESISTANCE	350 Ohms
LINEARITY	
25 lbs & below	$\pm$ 0.20% FSO
50 lbs & above	$\pm$ 0.10% FSO
HYSTERESIS	
25 lbs & below	$\pm$ 0.10% FSO
50 lbs & above	$\pm$ 0.08% FSO
REPEATABILITY	
25 lbs & below	$\pm$ 0.10% FSO
50 lbs & above	$\pm$ 0.03% FSO
ZERO BALANCE	$\pm$ 1.0% FSO
OPERATING TEMP RANGE	-65 to +250°F (-54 to +121°C)
COMPENSATED TEMP RANGE	+60 to +160°F (+15 to +71°C)
THERMAL EFFECTS	
on Zero	$\pm$ 0.002% FSO/°F
on Span	$\pm$ 0.002% Reading/°F
SAFE OVERLOAD	150% of Capacity
ULTIMATE OVERLOAD	300% of Capacity
MATERIAL	
200,000 lbs & below	17-4 PH Stainless steel
above 200,000 lbs	4340 Alloy steel
ELECTRICAL CONNECTOR	
5,000 lbs & below	PTIH-10-6P or equal
above 5,000 lbs	MS3102E-14S-6P or equal
STANDARD CALIBRATION	Positive in Tension

Capacity (lbs)	Ordering Example
50	XLP58-0050
1,000	XLP58-001K
500,000	XLP58-500K

Ranges (lbs)	D	H	A	B	C	T	E	F	G
0-5 to 0-25	2.50	.80	.18	6	2.00	1/4-28UNF	.82	.75	1.25
0-50 to 0-1,000	3.00	1.00	.28	6	2.25	3/8-24UNF	.82	.75	1.25
0-2,000 to 0-5,000	3.50	1.00	.34	6	2.63	1/2-20UNF	.82	.75	1.25
0-7,500 to 0-15,000	5.50	1.80	.40	8	4.50	1-14UNS	1.25	1.50	2.00
0-20,000 to 0-50,000	6.00	1.80	.53	8	4.88	1 1/2-12UNF	1.25	1.50	2.00
0-75,000 to 0-100,000	9.00	2.50	.66	12	7.75	2-12UN	1.25	1.50	2.00
0-150,000 to 0-200,000	11.0	3.00	.78	12	9.50	2 1/2-12UN	1.25	1.50	2.00
0-300,000 to 0-500,000	14.0	4.25	1.0	12	11.75	3 1/2-8UN	1.25	1.50	2.00